SuperServer 6026T-6RF+

Integrated Board

Super X8DTU-6F+

Key Features

1. Intel® Xeon® processor 5600/5500 series, with QPI up to 6.4 GT/s
2. 288GB** DDR3 1333/ 1066/ 800MHz ECC Registered DIMM / 48GB Unbuffered DIMM
3. Left Slot (Full-height / Full-length): 2 (x8) PCI-E 2.0 slots
4. Right Slot (Low-Profile - 5.5" depth): 1 (x4) PCI-E 2.0 (in x8 slot)
5. Broadcom 2108 8-Port 6Gbps SAS Controller; RAID 0, 1, 5, 6, 10, 50, 60
6. Intel® 82576 Dual-Port Gigabit Ethernet Controller
7. 8x 3.5" Hot-swap SAS/SATA Drives, For Customizable Storage
8. 920W High-efficiency Platinum Level Redundant Power Supply
9. Integrated IPMI 2.0 with Dedicated LAN

Available Colors: Black

Drivers & Utilities ▸ BIOS ▸ IPMI ▸ Tested Memory ▸ Manuals ▸ Drive Options

Note: Image above may show a varied configuration or optional parts. Please refer to parts list for standard parts included.

Specifications

Product SKUs - Discontinued SKU (EOL). Please contact sales-rep for alternative options.

SYS-6026T-6RF+	▪ SuperServer 6026T-6RF+ (Black)

Motherboard

Super X8DTU-6F+	

Processor/Cache

CPU	▪ Dual 1366-pin LGA Sockets ▪ Supports up to two Intel® 64-bit Xeon® processor(s) of the same type below: ▪ Intel® Xeon® Processor X5600/E5600 /L5600 Series (Westmere) 40W - 130W ▪ Intel® Xeon® Processor X5500/E5500 /L5500 Series (Nehalem-EP) 38W - 95W
QPI	▪ up to 6.4 GT/s

System Memory

Memory Capacity	▪ 18x 240-pin DIMM slots ▪ Supports up to 288GB 1333 / 1066 / 800MHz DDR3 ECC Registered memory ▪ Supports up to 48GB 1333 / 1066 / 800MHz DDR3 ECC / Non ECC Unbuffered memory ▪ Memory Mirroring supported
Memory Type	▪ 1333 / 1066 / 800MHz ECC Registered / ECC or Non ECC Unbuffered DDR3 SDRAM 72-bit, 240-pin gold-plated DIMMs
DIMM Sizes	▪ 1GB, 2GB, 4GB , 8GB , 16GB
Memory Voltage	▪ 1.5 V / 1.35V

Chassis

Form Factor	▪ 2U Rackmount
Model	▪ CSE-829TQ-R920UB

Dimensions

Height	3.5" (89mm)
Width	17.2" (437mm)
Depth	27.75" (705mm)
Gross Weight	55 lbs (24.9kg)
Available Colors	Black

Front Panel

Buttons	• Power On/Off button • System Reset button
LEDs	• Power LED • Hard drive activity LED • 2x Network activity LEDs • System Overheat / Fan Fail LED • Power fail LED
Ports	2x USB Ports

Expansion Slots

PCI-Express	▪ 2 (x8) PCI-E 2.0 slots (Left Slot) ▪ 1 (x4) PCI-E 2.0 (in x8 slot -Low-Profile - 5.5" depth) (Right Slot) ▪ UIO AOC Compatibility Matrix

Drive Bays

Hot-swap	▪ 8x 3.5" SAS / SATA Hot-swap drive trays

Peripheral Drives

DVD-ROM	▪ Slim 8x DVD, 24x CD, DVD-ROM drive

Backplane

Error Detection	▪ Corrects single-bit errors ▪ Detects double-bit errors (using ECC memory) ▪ Supports Intel® x4 and x8 Single Device Data Correction (SDDC)
Note:	This board does not support LRDIMM memory.

On-Board Devices

Chipset	▪ Intel® 5520 (Tylersburg) chipset ▪ ICH10R
SAS	▪ Broadcom 6Gbps SAS 2108 w/ Hardware RAID support ▪ RAID 0, 1, 5, 6, 10, 50, 60 support ▪ BBU (battery backup) extension kit (optional)
SATA	▪ Intel ICH10R SATA 3.0Gbps Controller ▪ RAID 0, 1, 5, 10 support
IPMI	▪ Support for Intelligent Platform Management Interface v.2.0 ▪ IPMI 2.0 with virtual media over LAN and KVM-over-LAN support ▪ Nuvoton WPCM450 BMC
Network Controllers	▪ Intel® 82576 Dual-Port Gigabit Ethernet Controller ▪ Supports 10BASE-T, 100BASE-TX, and 1000BASE-T, RJ45 output ▪ Intel® I/OAT 3 support for fast, scaleable, and reliable networking ▪ VMDq support for better performance of virtualization ▪ 1x Realtek RTL8201N PHY (dedicated IPMI)
Graphics	▪ Matrox G200eW
Super I/O	▪ Winbond 83827HF chip

Input / Output

Serial ATA	▪ Six Serial ATA ports ▪ Six SATA hard drives supported
LAN	▪ 2x RJ45 LAN ports ▪ 1x RJ45 Dedicated IPMI LAN port
USB	▪ 2x USB rear ports ▪ 1x USB on-board ▪ 2x USB internal headers ▪ Total 5 USB 2.0 Compliant
VGA	▪ 1x VGA Port
Keyboard / Mouse	▪ PS/2 keyboard and mouse ports
Serial Port / Header	▪ 1 Fast UART 16550 serial port ▪ 1 Fast UART 16550 serial header (Option)

2U SAS/SATA Backplane

System Cooling

Fans	▪ 4x 80mm 6300 RPM fans
Shroud	▪ 1x Air Shroud

Power Supply with Power Distributor

920W high-efficiency (94%+) AC-DC Redundant power supplies with PMBus and I2C

AC Input	▪ 100-240 V, 50-60 Hz, 11-4.5 Amp
DC Output	▪ 4 Amp @ +5V standby ▪ 75 Amp @ +12V
Certification	**Platinum Certified** [Test Report]

PC Health Monitoring

CPU	▪ Monitors for CPU Cores, +1.8V, +3.3V, +5V, ±12V, +3.3V Standby, +5V Standby, VBAT, Memory, Chipset Voltages. ▪ 6-Phase-switching voltage regulator
FAN	▪ Total of eight fan headers supporting up to 8 fans ▪ Eight 4-pin fan headers ▪ 8x fans with tachometer status monitoring ▪ Support 3-pin fans (w/o speed control) ▪ Low noise fan speed control
Temperature	▪ Monitoring for CPU and chassis environment ▪ Thermal Control for 8x fan connectors ▪ PECI
Other Features	▪ Chassis intrusion detection ▪ Chassis intrusion header

Operating Environment / Compliance

RoHS	▪ RoHS Compliant
Environmental Spec.	▪ Operating Temperature: 10° to 35°C (50° to 95°F) ▪ Non-operating Temperature: -40° to 70°C (-40° to 158°F) ▪ Operating Relative Humidity: 8% to 90% (non-condensing) ▪ Non-operating Relative Humidity: 5 to 95% (non-condensing)

Parts List

See Parts List

*** Only 1 drive is included, these items (***) are interchangeable. CDM-SATA w/ CBL-0061L and CDM-USATA-G w/ CBL-0341L
** 16GB LRDIMM is required, see Tested Memory List

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